



## Product Information

### Poly-L-lysine agent, Hyaluronate-PLL, Purity $\geq 95\%$

**Cat. No.:** X25-04-YM1427

**Size:** 100 mg; 250 mg; 500 mg; 1 g; 5 g

**Synonym:** Poly-L-lysine-hyaluronate

**This product is for research use only and is not intended for diagnostic use.**

#### Product Information

<b>Description</b>	Poly-L-lysine-conjugated hyaluronic acid (hyaluronate-PLL) combines cationic polypeptides with anionic polysaccharides for synergistic nucleic acid delivery systems.
<b>Glycan Name</b>	Hyaluronate
<b>Glycan Structure</b>	The glycan structure of hyaluronate (hyaluronic acid, HA) is a linear, non-sulfated glycosaminoglycan composed of repeating disaccharide units.
<b>Source</b>	Chemical synthesis
<b>Functional Group</b>	Poly-L-lysine
<b>Form</b>	Solid or powder
<b>Purity</b>	$\geq 95\%$
<b>Impurities</b>	No visible impurities to the naked eye.
<b>Solubility</b>	This product is soluble in most organic solvents, such as DCM, DMF, DMSO, and THF, and exhibits excellent solubility in water.
<b>Identity</b>	Confirmed by NMR.
<b>Stability</b>	It is stable under its storage temperature.
<b>Quality Level</b>	Research level
<b>Applications</b>	Hyaluronate-PLL plays a key role in facilitating Förster resonance energy transfer (FRET)-based degradation monitoring.
<b>Storage</b>	Store at $-20^{\circ}\text{C}$ , protect from light and moisture.